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PATENT APPLICATION

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ELECTROLUMINESCENT PANEL PROVIDED WITH LIGHT EXTRACTION
ELEMENTS

ABSTRACT

Display comprising a substrate 1 carrying:

- an electroluminescent organic layer partitioned into electroluminescent cells 21 and inserted between two electrode layers of which one is transparent and the other opaque,

- a layer 3 of light extractors operating by reflection, each extractor 31 being made of transparent material and comprising an entry interface 32, an exit interface 33 and reflecting side walls 34,

where the electroluminescent layer region of each cell 21 is optically coupled to a plurality of extractors 31.

The light extraction efficiencies are improved while limiting the constraints on manufacturing and keeping the display thickness limited.

Fig. 4